WHAT IS CLAIMED IS:

1	1. A method of representing performance of a drug candidate, the		
2	method comprising:		
3	receiving raw data generated by a model of drug candidate behavior, the		
4	raw data comprising index information, treatment scenario input information types, and		
5	corresponding output performance information types;		
6	extracting the index information from the raw data;		
7	referencing the extracted index information to generate a metadata file, a		
8	structure of the metadata file explicitly reflecting a hierarchical structure of the model;		
9	referencing the metadata file to convert the raw data file into a binary file,		
10	the metadata file explicitly identifying locations of treatment scenario information types		
11	and the output performance information types within the binary file;		
12	generating a user interface from the metadata file, the interface comprising		
13	a menu of input variables;		
14	presenting the menu to a user;		
15	receiving a user-selected input at the interface;		
16	causing the interface to reference the metadata file and the binary file to		
17	identify a subset of the binary file relevant to the user-selected input; and		
18	presenting the data subset in one of a select type of presentation formats at		
19	the interface.		
1	2. The method of claim 1 wherein the data subset represents a clinical		
2	effect.		
2			
1	3. The method of claim 1 wherein the data subset represents a		
2	likelihood of a clinical effect lying within a range of user-defined value.		
1	4. The method of claim 1 wherein the data subset represents a value of		
1 2	•		
3	an independent variable required for a clinical effect to one of attain, exceed, and equal a user-defined value.		
3	user-defined value.		
1	5. The method of claim 1 wherein the data subset represents a value of		
2	an independent variable required for a clinical effect to fall one of within, above, and		
3	below a user-defined range of values		

6. 1 The method of claim 1 wherein the presentation format comprises a 2 table. 1 7. The method of claim 1 wherein the presentation format comprises a 2 matrix of tables. 1 8. The method of claim 1 wherein the presentation format comprises a 2 plot. 1 9. The method of claim 1 wherein the presentation format comprises a 2 matrix of plots. 1 10. The method of claim 1 wherein the data subset represents a contrast 2 between output corresponding to two controllable variable input scenarios. 1 11. The method of claim 10 wherein the data subset represents a 2 contrast between output corresponding to a first controllable variable input scenario 3 featuring the drug candidate, and a second controllable variable input scenario featuring a competitor of the drug candidate. 4 1 12. The method of claim 10 wherein the contrast represents one of a 2 difference, a ratio, and a log ratio. 1 13. The method of claim 1 wherein the menu of input variables is 2 selected from the group consisting of an endpoint, a controllable variable, and an 3 uncontrollable variable. 1 14. The method of claim 13 wherein endpoint is based upon a clinically 2 measured value. 1 15. The method of claim 13 wherein the controllable variable is 2 selected from the group comprising drug candidate identity, drug candidate dose, 3 frequency of administration of drug candidate, and formulation of the drug candidate. 1 16. The method of claim 13 wherein the uncontrollable variable 2 comprises a patient attribute selected from the group consisting of age, gender, body

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weight, and disease state.

1	17.	The method of claim 13 wherein the uncontrollable variable	
2	comprises a model assumption.		
1	18.	The method of claim 1 wherein the raw data comprises a file	
2	organized according	to explicit index values, and the metadata file encodes the explicit	
3	index values into a s	tructure.	
1	19.	The method of claim 18 wherein the raw data comprises multiple	
2	files.		
1	20.	The method of claim 18 wherein the raw data is converted into the	
2	single binary file org	ganized to match the encoded structure.	
1	21.	The method of claim 18 wherein the raw data is converted into	
2	multiple binary files	organized to match the encoded structure.	
1	22.	The method of claim 18 wherein the explicit index values are	
2	encoded into an orde	ered tree structure.	
1	23.	The method of claim 22 wherein the binary file comprises an n-	
2	dimensional structur	e having a geometry matching the tree structure.	
1	24.	The method of claim 1 wherein the menu comprises text from the	
2	Metadata file.		
1	25.	The method of claim 1 further comprising drafting an additional	
2	conversion routine c	onfigured to recognize the raw data structure, and to transform the	
3	raw data into a stand	ard metadata file format.	
1	26.	A computer system comprising a processor and a memory storing	
2	code to operate the p	processor, the code comprising,	
3	a pars	ser module configured to receive raw data output by a model of drug	
4	candidate behavior,	and to generate a metadata file encoding outputs and related inputs of	
5	the model based upo	on index information extracted from the raw data;	

organized to match a structure encoded in the metadata file; and

a data transfer module configured to convert the raw data into a binary file

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8	a graphic user interface configured to present a menu of input variables to a		
9	user, to receive inputs selected by the user, to reference the metadata file and the binary		
10	file to identify a subset of the binary file relevant to the selected inputs, and to present the		
11	data subset in one of a select type of presentation format.		
1	27. The computer system of claim 26 wherein the raw data comprises:		
2	an index file having row vectors including a row number, the row vectors		
3	describing unique modeling input scenarios, and		
4	a simulation output file comprising columns of number distributions		
5	produced by the model when run through a simulation process utilizing the specific input		
6	scenario, a column number corresponding to the row number; and wherein,		
7	the metadata file is organized according to a tree structure, and the binary		
8	file is organized into an n-dimensional structure whose geometry matches the tree		
9	structure.		
1	28. The computer system of claim 26 wherein the parser module further		
2	comprises a conversion routine configured to recognize a format of the model, and to		
2	transform the row data into a standard format of the metadate file		